

Abstract

5 A catalyst for gas-phase oxidations which comprises an inert support and a catalytically active composition comprising transition metal oxides applied thereto, or a precatalyst, is described. The (pre)catalyst is obtained by treating the inert support with an aqueous suspension or solution of the transition metal oxides or their precursor compounds, where the suspension contains a binder dispersion and the binder is a copolymer of an α -olefin and a vinyl-C₂-C₄-carboxylate whose vinyl C₂-C₄-carboxylate content is at least 62 mol%.